

**QP Code: PBN106**

# B.Sc.(N) [Post Basic (1<sup>st</sup> Year)]

BF/2018/02

## Microbiology

**Time : 3 Hours**

[New Scheme-w.e.f. 2007 admission]

**Max Marks : 75**

- Note: 1.) *Attempt all questions.*  
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*  
3.) *The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.*

1A. Give one word answer for the following: [1x10=10]

- i. Cholera is caused by \_\_\_\_\_.
- ii. Pneumonia is caused by \_\_\_\_\_.
- iii. Whooping cough is caused by \_\_\_\_\_.
- iv. Envelope surrounding bacteria \_\_\_\_\_.
- v. Disease transmitted from person to person is \_\_\_\_\_ disease.
- vi. Production of antibodies by an individual \_\_\_\_\_.
- vii. Disease prevalent in particular area \_\_\_\_\_.
- viii. Mycology is the study of \_\_\_\_\_.
- ix. Bacteria in blood \_\_\_\_\_.
- x. Anaerobes grow in \_\_\_\_\_.

1B. Pick up the most appropriate answer: [1x5=5]

- i. Hospital induced infection acquired during the stay of a patient is called :  
(a) Localized infection. (b) Nosocomial infection. (c) Secondary infection (d) Reinfection.
- ii. The interval between exposure to infection and the appearance of the first symptoms is called:  
(a) Incubation (b) Incubation period (c) Latent period (d) All the above
- iii. Which of the following cocci bacteria is Gram- Negative:  
(a) Staphylococcus. (b) Streptococcus. (c) Enterococcus. (d) Neisseria.
- iv. Passive immunity is obtained by injecting:  
(a) Antibiotic. (b) Antigens. (c) Antibodies. (d) Vaccines.
- v. Which of the following is the type of Biomedical waste:  
(a) Harmless (b) Infectious (c) Non infectious hazardous (d) All of the above

2. Explain Hospital acquired infection and describe sources and prevention of hospital acquired infection. [15]

3. Describe mode of transmission, laboratory diagnosis and prevention of Typhoid Fever. [10]

4. Write down techniques of:

- (a) Culturing Bacteria. [5]
- (b) How can you collect samples for Sore throat and Food Poisoning patients. [5]

5. Write Short Notes on any **FIVE** of the following: [5x5=25]

- (a) Prevention of HIV infection.
- (b) Classification of Bacteria.
- (c) Food Poisoning.
- (d) Incineration.
- (e) Pathogenic Fungi.
- (f) Sterilization and Disinfection.
- (g) Role of Nurse in Prevention of Hospital Infections